

CLAIMS

1/ A fluid dispenser comprising:

a fluid reservoir (1; 1') provided with an opening (10; 10'), the opening being formed by a neck (10) having a top end (12) and an inside wall defining a narrow aperture segment (111) in the vicinity of the top end, and a recessed segment (112) which extends below the narrow aperture segment;

a dispensing member (2) provided with a body (20);
and

a fixing member (3; 3') for fixing said body in the opening;

said fixing member being provided with a skirt (31; 31') serving to come into engagement in the opening, and with a sleeve (32) serving to come into engagement around the body;

said fluid dispenser being characterized in that the body forms a cam segment (204) for deforming the skirt outwards into pressed contact with the opening, the skirt (31) having a sealing zone (313) which, in the final position, comes into leaktight contact with the narrow aperture segment (111), and a fixing zone (314) which, in the final position, comes into tight-fitting contact with the recessed segment (112).

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2/ A fluid dispenser according to claim 1, in which the body (20) has a large-diameter segment (207) on which the sleeve (32) comes into leaktight engagement in the final assembled position.

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3/ A fluid dispenser according to claim 1, in which the body (20) has an intermediate segment (205) situated above the cam segment (204) and below the large-diameter segment (207), the skirt (31; 31') coming into tight-fitting engagement with said intermediate segment (205)

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in the final assembled position, the sleeve (32) being in engagement with said intermediate segment (205) before the skirt comes into engagement with the cam segment (204).

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4/ A fluid dispenser according to claim 3, in which the body (20) has a small-diameter segment (203) situated below the cam segment (204), the skirt (31; 31') being in engagement with the small-diameter segment (203) when the sleeve (32) is in engagement with the intermediate segment (205).

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5/ A fluid dispenser according to claim 1, in which the opening has a substantially cylindrical inside wall.

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6/ A fluid dispenser according to claim 1, in which the skirt forms tabs (314) separated by slots (315).

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7/ A fluid dispenser according to claim 1, in which the body (20) forms a top collar (208) under which the sleeve (32) comes into abutment in the final position.

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8/ A fluid dispenser according to claim 3, in which the sleeve (32) has an inside wall that forms a holding bead (321) adapted to come into tight-fitting engagement with the intermediate segment (205) to hold the fixing member (3) in place on the body (20) when it is inserted into the neck.

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9/ A fluid dispenser according to claim 1, in which the skirt (31) has an inside wall provided with a cam bead (311) serving to come into engagement with the cam segment (204).

- 10/ A fluid dispenser according to claim 1, in which the skirt (31; 31') is provided with a bottom lip (316) in contact with the body (20).
- 5 11/ A fluid dispenser according to claim 9 or claim 10, in which the skirt (31; 31') is in contact with the intermediate segment (205) via the cam bead (311) and via the bottom lip (316) only.
- 10 12/ A fluid dispenser according to claim 1, in which the fixing member (3) is provided with an abutment flange (33) serving to come freely into contact with the opening (10; 10') without being force-fitted.
- 15 13/ A fluid dispenser according to claim 1, in which the body is provided with a vent hole (209) located at the level the skirt.